

**THE FISHER** **101-R**  
**SCHEMATIC and**  
**PARTS LIST**



MODEL 101-R

**CHASSIS SERIAL NUMBERS  
10001 - 19999 INCLUSIVE**

PRICE: \$1.00

**FISHER RADIO CORPORATION · NEW YORK**

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# PARTS DESCRIPTION LIST

## CAPACITORS

20% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value.) Cer = Ceramic

Symbol	Description	Part No.
C1	Ceramic, 24uuf 5%, N150, 1000V	C50070-8
C2	Ceramic, 8uuf $\pm$ .5uuf NPO, 500V	CC20CJ080D5
C3	Ceramic Trimmer	C662-123
C4	Ceramic, 10uuf NPO, 500V	CC20CH100G5
C5	Ceramic, 100uuf 10%, N1500, 1000V	C50070-6
C6	Variable, AM	C684-127
C7	Variable, FM	C662-113
C8	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C9	Ceramic, 100uuf 10% N1500, 1000V	C50070-6
C10, 11	Ceramic, Feedthru, 1000uuf GMV	C592-187
C12	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C13	Molded, .01uf, 500V	C2747
C14	Ceramic, Feedthru, 1000uuf GMV	C592-187
C15	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C16	Ceramic, .005uf, 500V	C50089-1
C17	Ceramic, Feedthru, 100uuf GMV	C592-187
C18	Ceramic, .005uf, 500V	C662-123
C19	Ceramic Trimmer	C50077-6N
C20	Ceramic, .68uf, 500V	CC20CJ050D5
C21	Ceramic, 5uuf $\pm$ .5uuf NPO, 500V	C50070-6
C22	Ceramic, 100uuf 10% N1500, 100V	CC20CH100G5
C23	Ceramic, 10uuf NPO, 500V	C684-122
C24	Electrolytic, two sections: 40uf, 350V	
C25	Ceramic, Feedthru, 100uuf GMV	C592-187
C26	Ceramic, 68uuf 10%, N750, 500V	CC20UJ680K5
C27	Ceramic, 100uuf 10%, N1500, 1000V	C50070-6
C28	Ceramic, 100uuf, $\pm$ .5uuf N220, 500V	CC20RH100D5
C29	Ceramic, 47uuf 10%, N750, 1000V	C50070-4
C30	Ceramic, Feedthru, 1000uuf GMV	C592-187
C31	Ceramic Trimmer	C662-123
C32	Ceramic, 24uuf 5%, N150, 1000V	C50070-8
C33	Ceramic, 120uuf 10%, N1500, 1000V	C50070-9
C34	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C35	Electrolytic, three sections: 40uf, 300V	C684-119
C36	Ceramic, .005uf, 500V	C50089-1
C37	Ceramic, 1000uuf 10%, 1000V	C50072-3
C38	Ceramic, 10uuf, $\pm$ .5uuf N1400, 500V	CC20VK100D5
C39	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C40	Ceramic, .005uf, 500V	C50089-1
C41	Ceramic, Feedthru, 1000uuf GMV	C592-187
C42	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C43	Mica, 470uuf 5%, 300V	C3334
C44	Ceramic, .0027uf, 1000V	C50071-5
C45, 46	Mica, 470uuf 5%, 300V	C3334
C47	Ceramic, .0027uf, 1000V	C50071-5
C48	Mica, 470uuf 5%, 300V	C3334
C49	Ceramic, .005uf, 500V	C50089-1
C50, 51	Molded, .047uf 10%, 250V	C629-151-5
C52	Mica, Trimmer, 160uuf-500uuf	C50070-4
C53	Ceramic, 47uuf 10%, N750, 1000V	C50072-14
C54	Ceramic, 560uuf, 10%, 1000V	C50089-4
C55	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-1
C56	Mica, 470uuf 5%, 300V	C3334
C57	Ceramic, .005uf, 500V	C50089-1
C58	Molded, .1uf 10%, 250V	C50074-28
C59	Molded, .1uf 10%, 250V	C639-114
C60	Electrolytic, 25uf, 6V	C50071-5
C61	Ceramic, .0027uf, 1000V	C50071-5
C62	Mica, 470uuf 5%, 300V	C3334
C63	Ceramic, .005uf, 500V	C50089-1
C64	Ceramic, 10uuf NPO, 500V	CC20CH100G5
C65		

C66	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C67	Ceramic, 47uuf 10%, N750, 1000V	C50070-4
C68, 69	Ceramic, .005uf, 500V	C50089-1
C70	Ceramic, .0027uf, 1000V	C50071-5
C71	Ceramic, .005uf, 500V	C50089-1
C72	Ceramic, 1uuf P100, 1000V	C50070-1
C73	Ceramic, 220uuf 10%, 500V	CC216P221K5
C74	Molded, .1uf 10%, 250V	C50074-28
C75	Molded, .047uf 10%, 250V	C50074-27
C76	Electrolytic, .25uf, 6V	C639-114
C77	Ceramic, .005uf, 500V	C50089-1
C78	Ceramic, .0027uf, 1000V	C50071-5
C79	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C80	Ceramic, .005uf, 500V	C50089-1
C81	Ceramic, 330uuf, 10%, 1000V	C50072-1
C82	Molded, .047uf 10%, 250V	C50074-27
C83	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C84	Ceramic, .005uf, 500V	C50089-1
C85	Ceramic, 330uuf 10%, 1000V	C50072-1
C86	Ceramic, 24uuf 5%, N150, 1000V	C50070-8
C87	Ceramic, .0022uf 10%, 1000V	C50072-5
C88	Ceramic, .02uf $\pm$ 80—20%, 500V	C50089-4
C89	Molded, .01uf 10%, 250V	C50074-25
C90	Molded, .047uf 10%, 250V	C50074-27
C91, 92	Ceramic, 330uuf 10%, 1000V	C50072-1
C93	Electrolytic, 8uf, 50V	C629-138
C94	Ceramic, 100uuf GMV N1500, 100V	C50070-5

## RESISTORS AND POTENTIOMETERS

In ohms, 10% tolerance, 1/2 watt, unless otherwise noted. K = kilohm, M = megohm.

Symbol	Description	Part No.
R1	Composition, 1K	RC20BF102K
R2	Composition, 270	RC20BF271K
R3	Composition, 4.7	RC20BF477K
R4	Composition, 100K	RC20BF104K
R5	Composition, 1.8M	RC20BF185K
R6	Composition, 1.2K	RC20BF122K
R7	Composition, 4.7M	RC20BF475K
R8	Composition, 100	RC20BF101K
R9	Composition, 330K	RC20BF334K
R10	Composition, 330K	RC20BF334K
R11	Composition, 47K	RC20BF473K
R12	Composition, 1K	RC20BF102K
R13	Composition, 4.7K	RC20BF477K
R14	Composition, 2.2K	RC20BF222K
R15	Composition, 22	RC20BF220K
R16	Wirewound, 7.5, 5W	R684-140
R17	Wirewound, 270, 5W	R684-141
R18, 19	Composition, 820K	RC20BF824K
R20	Composition, 470K	RC20BF474K
R21	Composition, 33K	RC20BF333K
R22	Composition, 100	RC20BF101K
R23	Wirewound, 270, 5W	R684-141
R24	Composition, 1K	RC20BF102K
R25	Composition, 22K, 1W	RC20BF223K
R26	Composition, 2.2K, 1W	RC20BF222K
R27	Composition, 1K	RC20BF102K
R28	Composition, 100	RC20BF101K
R29	Composition, 1K	RC20BF102K
R30	Composition, 82K	RC20BF823K
R31	Composition, 47K	RC20BF473K
R32	Potentiometer, 500K 20%	RS20-139
R33	Composition, 1K	RC20BF102K
R34	Composition, 100	RC20BF101K
R35	Composition, 330K	RC20BF334K
R36	Composition, 5.6K	RC20BF562K
R37	Composition, 2.2M	RC20BF225K
R38	Composition, 1M	RC20BF105K
R39	Composition, 82K	RC20BF823K
R40	Composition, 1K	RC20BF102K
R41	Composition, 47K	RC20BF473K
R42	Composition, 560	RC20BF561K

R43	Composition, 100	RC20BF101K
R44	Composition, 150K	RC20BF154K
R45	Composition, 82K	RC20BF823K
R46	Composition, 1K	RC20BF102K
R47	Composition, 2.2M	RC20BF225K
R48	Composition, 1.8M	RC20BF185K
R49	Composition, 820K	RC20BF824K
R50	Composition, 1.8M	RC20BF185K
R51	Composition, 180	RC20BF181K
R52	Composition, 120K	RC20BF124K
R53	Composition, 47K	RC20BF473K
R54	Composition, 82K	RC20BF823K
R55, 56	Composition, 1K	RC20BF102K
R57	Composition, 3.3M	RC20BF335K
R58	Composition, 56K	RC20BF563K
R59	Composition, 22K	RC20BF223K
R60, 61	Composition, 330K	RC20BF334K
R62	Composition, 470K	RC20BF474K
R63	Composition, 22K	RC20BF223K
R64	Composition, 10M	RC20BF106K
R65	Composition, 39K	RC20BF393K
R66	Composition, 560	RC20BF561K
R67	Composition, 2.2M	RC20BF225K
R68	Composition, 330K	RC20BF334K
R69	Composition, 1.8M	RC20BF185K
R70	Composition, 1M	RC20BF105K
R71	Composition, 1K	RC20BF102K
R72	Composition, 470K	RC20BF474K
R73	Composition, 330K	RC20BF334K
R74	Composition, 270	RC20BF271K
R75	Composition, 33K	RC20BF333K
R76	Composition, 1K	RC20BF102K
R77	Composition, 22K	RC20BF223K
R78	Potentiometer, 500K 20%	RS20-139
R79	Composition, 15K	RC20BF153K
R80	Composition, 1.5K	RC20BF152K

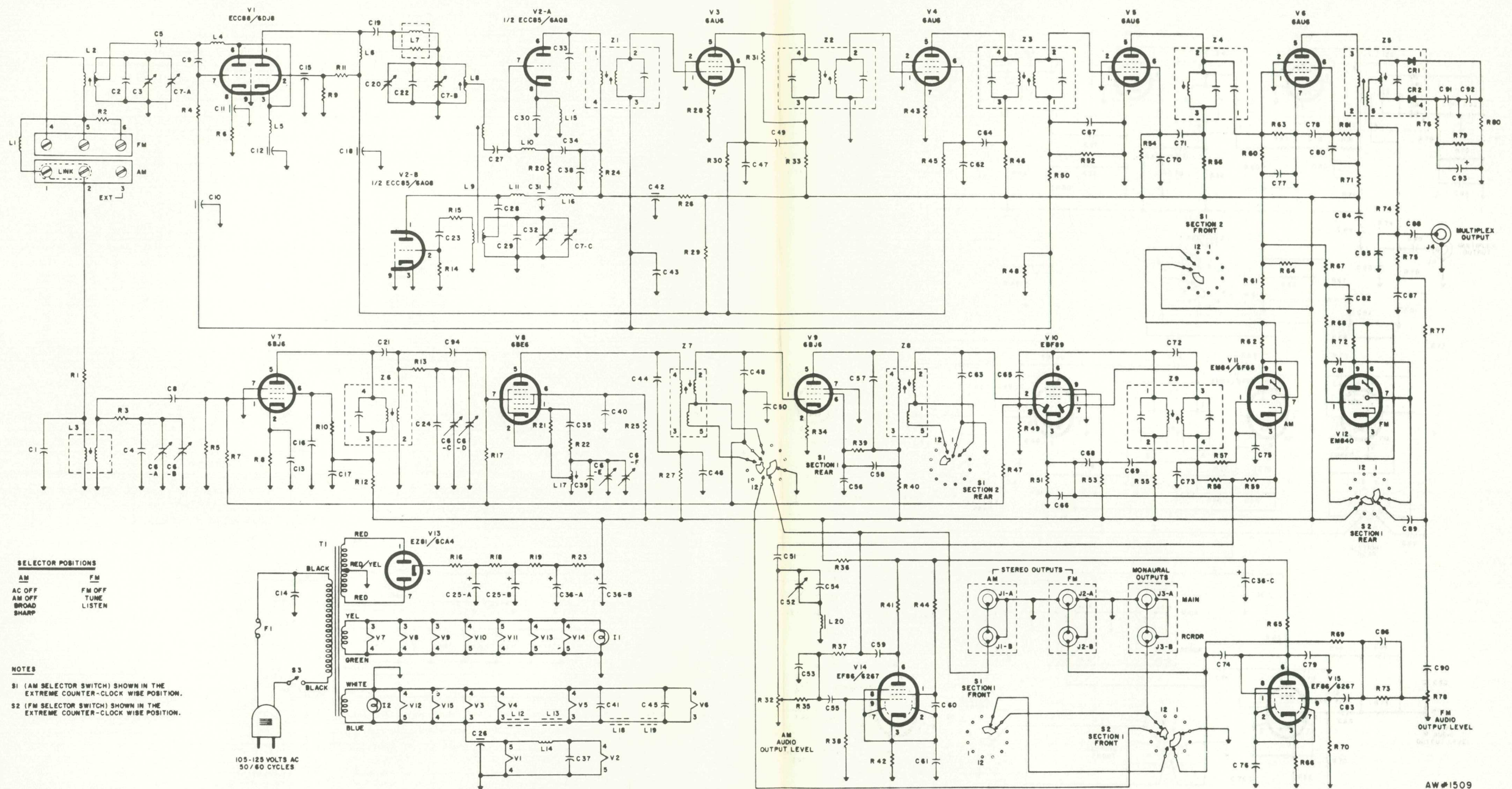
## COILS, TRANSFORMERS, CHOKES

Symbol	Description	Order No.
L1	Choke, RF, 3.3 Micro Henriess	L50066-8
L2	Coil, Tuned, FM Antenna	L662-124
L3	Coil, Tuned, AM Antenna	L629-171
L4	Choke, RF, 1.2 Micro Henriess	L50066-3
L5, 6	Choke, RF, .56 Micro Henriess	L50066-19
L7	Choke, RF	L679-180
L8	Coil, Tuned, FM-RF	L662-125
L9	Coil, Tuned, FM Oscillator	L662-126
L10, 11	Choke, RF, 1.2 Micro Henriess	L50066-3
L12, 13	Choke, Ferrite Bead, Filament	L592-189
L14	Choke, RF, 1.2 Micro Henriess	L50066-3
L15	Choke, RF, .56 Micro Henriess	L50066-19
L16	Choke, RF, 1.2 Micro Henriess	L50066-3
L17	Coil, AM Oscillator	L550-122
L18, 19	Choke, Ferrite Bead, Filament	L592-189
L20	Coil, 10kc Filter	L644-120
T1	Transformer, Power	T684-124
Z1	Transformer, FM-IF	ZZ662-117
Z2, 3	Transformer, FM-IF	ZZ629-142
Z4	Coil, FM Limiter	L670-145
Z5	Transformer, FM Detector	ZZ592-170
Z6	Transformer, AM-RF	L670-151
Z7, 8	Used in Some Units with a 47uuf Capacitor connected across primary.	L556-125
Z9	Transformer, AM-IF	ZZ509-132
	Transformer, AM-IF	ZZ2984

## MISCELLANEOUS

CR1, CR2	Crystal Diode, Matched Pair, FM Detector	V-1N542
F1	Fuse, 1 1/2 Ampere, Slo-Blo	F684-143
I1, 2	Lamp, Dial Edge Lighting	I50082
S1	Switch, AM Selector	S684-123
S2	Switch, FM Selector	S684-120
S3	Switch, AC Power	Part of 51

# SCHEMATIC DIAGRAM



**SELECTOR POSITIONS**

AM	FM
AC OFF	FM OFF
AM OFF	TUNE
BROAD	LISTEN
SHARP	

**NOTES**

S1 (AM SELECTOR SWITCH) SHOWN IN THE EXTREME COUNTER-CLOCK WISE POSITION.

S2 (FM SELECTOR SWITCH) SHOWN IN THE EXTREME COUNTER-CLOCK WISE POSITION.

105-125 VOLTS AC  
50/60 CYCLES

RESISTORS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34	R35	R36	R37	R38	R39	R40	R41	R42	R43	R44	R45	R46	R47	R48	R49	R50	R51	R52	R53	R54	R55	R56	R57	R58	R59	R60	R61	R62	R63	R64	R65	R66	R67	R68	R69	R70	R71	R72	R73	R74	R75	R76	R77	R78	R79	R80													
CAPACITORS	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C70	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C91	C92	C93



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